LL7835A

Metallocene Polyethylene Resin

Special Characteristics: InnoPlus LL7835A is a metallocene polyethylene (mPE) with hexene comonomers, without slip and antiblock. This grade is a high performance grade which offer an outstanding mechanical properties and down-gauging. Films extruded from InnoPlus LL7835A have an excellent tensile and dart impact strength properties. It is suitable for both cast mono / multilayer and blown film.

Typical Applications: InnoPlus LL7835A is recommended for producing the heavy-duty films, cast stretch films, liners.

Additives: No Slip and No Antiblock

Typical Properties:

Properties	LL7835A		Unit	Test Method
Physical Properties	**Cast film***	**Blown film****		
Melt Index (190 °C, 2.16 kg)	3.5	3.5	g/10 min	ASTM D1238
Density	0.920	0.920	g/cm^3	ASTM D792
Melting Temperature	118	118	°C	ASTM D3418
Vicat Softening Point	105	105	°C	ASTM D1525
Film Properties				
Tensile Strength at Break (MD/TD)	60 / 45	45 / 40	MPa	ASTM D882
Elongation at Break (MD/TD)	580 / 620	770 / 730	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	180 / 195	230 / 250	MPa	ASTM D882
Dart Impact Strength	180	350	g	ASTM D1709
Tear Strength (MD/TD)	340 / 430	360 / 400	g	ASTM D1922
Haze	4.3	30	%	ASTM D1003
Gloss (45°)	79	30	-	ASTM D2457

** Film made on cast film line. Film properties obtained from 25 microns film.*

***Film made on blown film line at blow up ratio 2.5. Gloss (45°) obtained from 40 microns film while other film properties obtained from 25 microns film.*

Recommendation :

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

FDA Statement :

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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